

[Primary Antibody]



BioSS
ANTIBODIES

www.bioss.com.cn

sales@bioass.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET

Host: Mouse

Isotype: IgG

Clonality: Monoclonal

CloneNo.: 5C11

GeneID: 18708

SWISS: P26450

Target: PIK3R1 (animal-free)

Immunogen: Recombinant mouse PI3K p85 Protein: 1-110/724.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Size : 200ug (PBS only)

0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The enzyme phosphatidylinositol 3 kinase (PI3 kinase) is a lipid kinase that generates phosphatidylinositol 3, 4, 5-triphosphate in response to receptor activation in many signal transduction pathways. Class IA PI3Ks exist as a heterodimer of a catalytic 110 kDa (p110) and a regulatory p85 subunit (e.g. p85 alpha). p85 alpha is an adaptor molecule that regulates the activity of the catalytic p110 subunit by binding to phosphorylated receptor tyrosine kinases (RTKs) through its SH2 domain and mediating the interaction between p110 and the plasma membrane. p85 alpha is necessary for insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

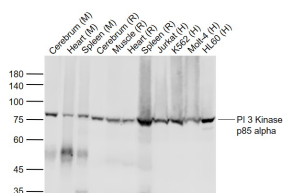
Applications: WB (1:500-2000)

Reactivity: Human, Mouse, Rat

Predicted
MW.: 80 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

— VALIDATION IMAGES



Sample: Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Mouse Heart tissue lysates Lane 3: Mouse
Spleen tissue lysates Lane 4: Rat Cerebrum
tissue lysates Lane 5: Rat Muscle tissue lysates
Lane 6: Rat Heart tissue lysates Lane 7: Rat
Spleen tissue lysates Lane 8: Human Jurkat cell
lysates Lane 9: Human K562 cell lysates Lane 10:
Human Molt-4 cell lysates Lane 11: Human HL60
cell lysates Primary: Anti-PI 3 Kinase p85 alpha
(bsm-77002M) at 1/1000 dilution Secondary:
IRDye800CW Goat Anti-Mouse IgG at 1/20000
dilution Predicted band size: 80 kD Observed
band size: 80 kD

— SELECTED CITATIONS

- **[IF=3.24]** Jing Hu. et al. Investigation of the active ingredients and pharmacological mechanisms of *Porana sinensis* Hemsl. Against rheumatoid arthritis using network pharmacology and experimental validation. Plos One. 2022 Mar;17(3):e0264786 WB :Rat. 35235611

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.